Engineer: Chris Samios	Date: 5/22/03	Raytheon					
Drawn: Bruce Page	Date: 6/17/04	JPS Communications 5800 Departure Drive, Raleigh, NC 27616					
Approved: CTS	Date: 6/17/04	Title: ACU RADIO APPLICATION NOTES					
Issued/ Revised	Date: 6/18/04	Size:	Dwg. #: 5961-271275-APP	Rev:	Sheet:	Of	1

APPLIES TO: Q-MAC HF-90 Portable Radio (Military Version)

RADIO MODIFICATIONS: None required.

RADIO PROGRAMMING: None required.

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291275	(5961-271275+5961-261002-00)
ACU-T Interface Cable	JPS P/N 5961-281275	(5961-271275+5961-281013-00)
	TD 0 D D 1 TO 64 A T 4 A T 5	

TRP-1000 Shelf Interface Cable JPS P/N 5961-271275

Radio RF Connector Type BNC

DSP PROGRAMMING:

RX Level	3*	0dBm*
TX Level	4	-8dBm
Squelch Type	VMR	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

(* Indicates Default Value)

NOTES:

Raytheon JPS Communications has not developed specific settings for this model of radio. Start with the settings listed above and adjust as required.

271275-APP.doc





